

**ABSTRACT****Device for Detection of the Temperature in the Interior of a Vehicle**

The device for detection of the temperature in the interior of a vehicle, particularly for an air-conditioning system of a vehicle, is provided with an interior temperature sensor (28) arranged in a housing (18) arranged in or at a wall (12) adjacent to the interior (14) of the vehicle and being at least partially adjacent to the interior (14) of the vehicle, and a radiation sensor (30) detecting solar radiation leading to the heating of the housing (18) of the interior temperature sensor (28). Further, the device is provided with a compensation temperature sensor (36) arranged behind the wall (12) and such that it is thermally decoupled from the interior temperature sensor (28) and detecting the heat of air and/or assemblies behind the wall (12), which leads to a falsification of the measured value of the interior temperature sensor (28). The two temperature sensors (28,36) and the radiation sensor (30) are combined in a common assembly.

(Fig. 1)